



ELECTRONIC THESIS AND DISSERTATION UNSYIAH

TITLE

PROFIL DARAH SAPI ACEH BETINA BERTANDUK DAN NIRTANDUK (KUPUNG)

ABSTRACT

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ABSTRAK

Penelitian ini bertujuan untuk melihat perbedaan nilai eritrosit, indeks eritrosit MCV (Mean Corpuscular Volume), MCH (Mean Corpuscular Hemoglobin), MCHC (Mean Corpuscular Hemoglobin Concentration), trombosit, leukosit, hematokrit, dan hemoglobin sapi aceh betina bertanduk dan kupung. Penelitian ini dilatarbelakangi oleh adanya kearifan lokal yang berkembang ditengah masyarakat Aceh bahwa sapi aceh betina kupung lebih disukai dan memiliki perbedaan dengan sapi aceh betina bertanduk. Koleksi sampel dilakukan di Balai Pembibitan Ternak Unggul dan Hijauan Pakan Ternak (BPTU-HPT) Indrapuri, Aceh Besar. Sampel yang digunakan yaitu darah sebanyak 3 ml yang diambil melalui Vena jugularis dari 15 ekor sapi aceh betina bertanduk dan 15 ekor sapi aceh betina kupung yang berumur antara 12 – 40 bulan. Sampel darah diperiksa dengan alat hematology analyzer. Secara statistik tidak terdapat perbedaan ($P>0,05$) antara nilai profil darah sapi aceh betina bertanduk dan kupung. Rataan jumlah eritrosit masing-masing $8,61\pm0,91$ dan $8,86\pm0,49$ ($10^6/\mu\text{l}$), MCV $47,85\pm5,31$ dan $45,90\pm4,28$ (fl), MCH $14,57\pm1,11$ dan $14,03\pm1,23$ (pg), MCHC $30,42\pm1,53$ dan $30,70\pm0,81$ (g/dl), trombosit $2,67\pm0,44$ dan $2,87\pm0,33$ ($10^3/\mu\text{l}$), leukosit $9,64\pm1,80$ dan $9,06\pm2,75$ ($10^3/\mu\text{l}$), hematokrit $41,43\pm6,34$ dan $40,64\pm4,61$ (%), hemoglobin $12,57\pm1,58$ dan $12,49\pm1,389$ (g/dl).

Blood Profile of Aceh Female Horned Cattle and Pole Cattle

ABSTRACT

The study aims to see the difference of erythrocyte value, erythrocyte indice MCV (Mean Corpuscular Volume), MCH (Mean Corpuscular Hemoglobin), MCHC (Mean Corpuscular Hemoglobin Concentration), thrombocyte, leukocyte, hematocrit and hemoglobin of aceh female horned cattles and pole cattles. This research is motivated by the existence of local wisdom that developed in the middle of the Aceh community that aceh female pole cattle is preferred and has differences with aceh female horned cattle. The sample collection was conducted at Balai Pembibitan Ternak Unggul dan Hijauan Pakan Ternak (BPTU-HPT) Indrapuri, Aceh Besar. The sample used was 3 ml of blood taken from the jugular vein 15 of aceh female horned cattles and 15 of aceh female pole cattles age of about 12 - 40 months. Blood samples were examined with a hematology analyzer. There was no statistically significant ($P>0,05$) blood profile value between aceh female horned cattle and aceh female pole cattles. The mean erythrocyte counts were $8,61\pm0,9$ and $8,86\pm0,49$ ($10^6/\mu\text{l}$) respectively, MCV $47,85\pm5,31$ and $45,90\pm4,28$ (fl), MCH $14,57\pm1,11$ and $14,03\pm1,23$ (pg), MCHC $30,42\pm1,53$ and $30,70\pm0,81$ (g/dl), platelets $2,67\pm0,44$ and $2,87\pm0,33$ ($10^3/\mu\text{l}$), leukocytes $9,64\pm1,80$ and $9,06\pm2,75$ ($10^3/\mu\text{l}$), hematocrit $41,43\pm6,34$ and $40,64\pm4,61$ (%), hemoglobin $12,57\pm1,58$ and $12,49\pm1,389$ (g/dl).